



PATENT

Attorney Reference Number 3382-66774-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** Qadeer et al.

**Application No.** 10/742,695

**Filed:** December 19, 2003

**Confirmation No.** 4372

**For:** PROCEDURE SUMMARIES FOR  
MULTITHREADED SOFTWARE

**Examiner:** Not yet assigned

**Art Unit:** 2182

**Attorney Reference No.** 3382-66774-01

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Attorney  
for Applicant(s)

Date Mailed June 2, 2004

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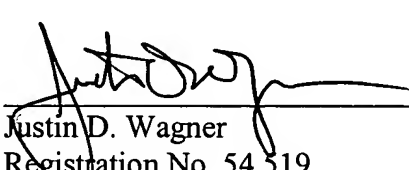
Enclosed for filing in the application referenced above are the following:

- ☒ Information Disclosure Statement
- ☒ Form 1449 and references cited thereon
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

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**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

COMMISSIONER FOR PATENTS  
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ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

If the present application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55). Applicants will provide copies of such patents upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

However, if the Patent Office determines that a fee is required for Applicants to file this IDS,

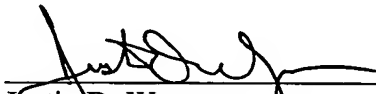
please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	3382-66774-01
Application Number	10/742,695
Filing Date	December 19, 2003
First Named Inventor	Qadeer
Art Unit	2182
Examiner Name	Not yet assigned

## U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		US-2002/166032 A1	November 7, 2002	Qadeer
		US-2002/178401 A1	November 28, 2002	Ball et al.
		US-2003/204570 A1	October 30, 2003	Rehof et al.
		US-2003/204641 A1	October 30, 2003	Rehof et al.
		US-2003/204834 A1	October 30, 2003	Ball et al.

## U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Application Number	Filing Date	Name of Applicant or Patentee
		60/450,982	February 28, 2003	Rehof et al.
		10/659,221	December 10, 2003	Rehof et al.

## OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
		Flanagan et al., "Thread-Modular Verification for Shared-Memory Programs," HP Labs Technical Reports, SRC Technical Note 2001-003, Compaq Computer Corporation, 20 pages, November 19, 2001.
		Flanagan et al., "Thread-Modular Verification for Shared-Memory Programs," Lecture Notes in Computer Science, Proceedings of the 11 <sup>th</sup> European Symposium on Programming Languages and Systems, Springer-Verlag, London, UK, 15 pages, April 2002.
		Freund et al., "Checking Concise Specifications for Multithreaded Software," Williams College Technical Note 01-2002, 16 pages, December 2002.

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DATE  
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\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			First Named Inventor	Qadeer
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			Examiner Name	Not yet assigned
		Freund et al., "Checking Concise Specifications for Multithreaded Software," FTfJP'2003, Proceedings of the Fifth ECOOP Workshop on Formal Techniques for Java-like Programs, Darmstadt, Germany, 10 pages, July 21, 2003.		
		Freund et al., "Checking Concise Specifications for Multithreaded Software," Williams College Technical Note 01-2002 (revised Dec. 2003), 18 pages, December 12, 2003.		
		Hoare, <i>Communicating Sequential Processes</i> , Prentice-Hall International Series in Computer Science, Prentice Hall, pages i-256, 1985.		
		Lamport, "A New Approach to Proving the Correctness of Multiprocess Programs," ACM Transactions on Programming Languages and System, Volume 1, No. 1, pages 84-97, July 1979.		
		Larsen, et al., "Bisimulation Through Probabilistic Testing (Preliminary Report)," Proceedings of the 16th ACM SIGPLAN-AIGACT Symposium on Principles of Programming Languages, pages 344-352, 1989.		
		Milner, <i>Communication and Concurrency</i> , Prentice-Hall International Series in Computer Science, Prentice Hall, pages i-260, 1989.		
		Milner, <i>Communicating and Mobile Systems: the <math>\pi</math>-Calculus</i> , Cambridge University Press, pages i-161, 1999.		
		Per Cederqvist et al., "Version Management with CVS (for CVS 1.11.10)," 184 pages, December 4, 2003.		
		Roscoe, <i>The Theory and Practice of Concurrency</i> , Prentice Hall Series in Computer Science, Prentice Hall, pages i-566, 1998.		
		Sharir et al., "Two Approaches to Interprocedural Data Flow Analysis," <i>Program Flow Analysis: Theory and Applications</i> , Prentice-Hall, Inc., pages 189-233, 1981.		
		Steffen and Burkart, "Composition, Decomposition and Model Checking of Pushdown Processes," <i>Nordic Journal of Computing</i> , Volume 2, pages 89-125, 1995.		
		Whaley et al., "Compositional Pointer and Escape Analysis for Java Programs," Proceedings of the 14 <sup>th</sup> ACM SIGPLAN, Conference on Object-Oriented Programming, Systems, Languages, and Applications, Denver, Colorado, ACM Press, New York, NY, Pages 187-206, 1999.		

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